

IN THE DRAWINGS:

Submitted herewith is one replacement sheet for Fig. 14 of page 14 of the drawings.

REMARKS

Applicant has amended claims 1, 6, 7, 9, 13, 14 and 15, amended the specification and the drawings. Applicant respectfully submits that these amendments to the claims, specification and drawings are supported by the application as originally filed and do not contain any new matter. Accordingly, the Office Action will be discussed in terms of the specification, drawings and claims as amended.

The Examiner has objected to the drawings, stating that Fig. 14 should be designated prior art. Submitted herewith is one replacement sheet for Fig. 14 designating Fig. 14 as prior art.

The Examiner has objected to the disclosure and pointed out informalities on pages 8 and 9. Applicant has amended pages 8 and 9.

The Examiner has objected to claims 1-6, 7, 9 and 13-15. Applicant has amended the claims and respectfully submits that all of the claims are not now objectionable.

The Examiner has rejected claims 1-3, 6-11 and 15-16 under 35 USC 102 as being anticipated by Horimai et al., stating that Horimai et al. discloses each and every element of Applicant's invention as claimed.

In reply thereto, Applicant has carefully reviewed Horimai et al. and respectfully submits that while it may disclose holographic techniques for recording data, the holographic techniques are patentably distinct from the present invention. In particular, Applicant directs the Examiner's attention to col. 21, lines 21-64 of Horimai et al. and respectfully submits that while the Examiner believes that this teaches that digital information is recorded in a digital pattern information and expressed by matching or mismatching the attributes of adjacent pixels, Applicant respectfully submits that this is not the case and it merely teaches and describes that exact recognition of the reference position of the reproduction light is required. In particular, to accomplish this in Horimai et al., pairs of pixels are provided and if the pixels are the same, there is an error; alternately, if the pixels are different, there is no error. Therefore, Applicant respectfully submits that this portion of Horimai et al. does not teach that digital information is expressed by matching or mismatching of attributes of adjacent pixels and merely teaches an error recognition for the position of the reproducing light.

In view of the above, therefore, Applicant respectfully submits that Horimai et al. does not disclose each and every element of Applicant's invention as claimed by claims 1-3, 6-11, 15 and 16 and these claims are not anticipated by Horimai et al.

The Examiner has rejected claims 4-5 under 35 USC 103 as being obvious over Horimai et al. in view of Suganuma, stating that Horimai et al. discloses all of Applicant's invention, but does not disclose "wherein said digital pattern information is such that a pixel whose attribute does not match that of one adjacent pixel is displayed so as to invariably have a pixel whose attribute matches on the other end"; Suganuma discloses recording digital pattern information where a pixel whose attribute does not match that of one adjacent pixel is displayed so as to invariably have a pixel whose attribute matches on the other end; and it would have been obvious to modify Horimai et al. in view of the teachings of Suganuma.

In reply thereto, Applicant would like to incorporate by reference his comments above concerning Applicant's invention and Horimai et al. In addition, Applicant has carefully reviewed Suganuma and respectfully submits that Suganuma merely teaches a method of recording a digital sound track on film and this sound is recorded in 4 x 3 bit pattern so that each bit is surrounded by other bits of the same kind so that any up, down, right and left bit is the same. Still further, Applicant respectfully submits that in Applicant's invention the interference pattern formed by interference between the information light, which is spatially modulated by digital pattern information, and reference light is utilized for recording. The interference pattern that is recorded in Applicant's invention, therefore, is different from the digital pattern information of the information light. In contrast thereto, Applicant respectfully submits that Suganuma does not teach a method for recording interference pattern and is thus entirely different from Applicant's invention.

In view of the above, therefore, Applicant respectfully submits that the combination suggested by the Examiner is not Applicant's invention and claims 4 and 5 are not obvious over Horimai et al. in view of Suganuma.

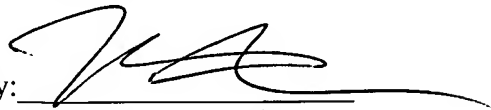
Applicant further respectfully and retroactively requests a one month extension of time so as to respond to the Office Action. Please charge Deposit Account No. 11-1445 in the sum of \$60 as the fee.

In view of the above, therefore, it is respectfully requested that this Amendment be entered, favorably considered and the case passed to issue.

Please charge any additional costs incurred by or in order to implement this Amendment or required by any requests for extensions of time to KODA & ANDROLIA DEPOSIT ACCOUNT NO. 11-1445.

Respectfully submitted,

KODA & ANDROLIA

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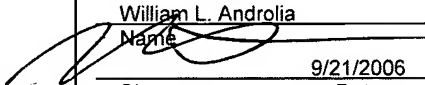
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